Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Project Division Dasarahalli Zone

Name of Work:Formation of Playground and Providing drainage system for disposal of Rain water in and around the playground outdoor stadium ward No-14

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)								
	For Drain								
	East Side	1	150.00	0.90	1.00	135.00			
	West Side	1	197.00	0.90	1.00	177.30			
	North Side	1	105.00	0.90	1.00	94.50			
	South Side	1	96.00	0.90	1.00	86.40			
	Culvert West Side	1	10.00	1.30	1.00	13.00			
						506.20	**Cum**	**202.92**	**102718.10**
2	KSRB 4-1.2 : Providing and laying in position plain cement **concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)								
	For Drain P.C.C								
	East Side	1	150.00	0.90	0.15	20.25			
	West Side	1	197.00	0.90	0.15	26.60			
	North Side	1	105.00	0.90	0.15	14.18			
	South Side	1	96.00	0.90	0.15	12.96			
	Culvert West Side	1	10.00	1.30	0.15	1.95			
						75.93	**Cum**	**5348.76**	**406131.3**
	KSRB 4-6.4 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(P.No-15,I No-4.31)								
	For Drain Wall								
	East Side	4	150.00		0.60	360.00			
	West Side	4	197.00		0.60	472.80			
	North Side	4	105.00		0.60	252.00			
	South Side	4	96.00		0.60	230.40			
	Culvert West Side	4	10.00		0.90	36.00			
						1351.20	**Sqm**	**310.58**	**419655.**
	Providing and laying **cement concrete using 20 mm** and down size granite coarse aggregates and fine aggregates of ready mixed concrete Cum (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , mainand secondary beams with all lead and lifts etc., complete (exclusiveof cost of steel and fabrication charges.) (P.No-18,I No-4.48)								
	For Drain Raft								
	East Side	1	150.00	0.75	0.15	16.88			
	West Side	1	197.00	0.75	0.15	22.16			

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	North Side	1	105.00	0.75	0.15	11.81			
	South Side	1	96.00	0.75	0.15	10.80			
	Culvert West Side	1	10.00	1.20	0.25	2.50			
	For Drain Wall								
	East Side	2	150.00	0.15	0.60	27.00			
	West Side	2	197.00	0.15	0.60	35.46			
	North Side	2	105.00	0.15	0.60	18.90			
	South Side	2	96.00	0.15	0.60	17.28			
	Culvert West Side	2	10.00	0.25	0.90	18.00			
	West Above RW for fixing grill	1	43.00	0.30	0.45	19.35			
	For Below PVC Pipe	1	26.00	0.30	0.15	3.90			
						204.04	**Cum**	**6231.74**	**1271524.23**
5	KSRB 4.9.2 : **Providing T.M.T steel** reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No-17,I No-4.46.3)								
	consider 50kgs/cum for item No.9 only RCC Qty		204.04	0.05		10.20			
						10.20	**Tn**	**75275.90**	**767964.73**
	Providing and Fixing **RCC pre cast covering Slab of 100mm thick for drains** in cement concrete M20 using graded grinite jelly 20mm and down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in charge. (Data Rate)								
	For Drain Raft								
	East Side	1	150.00	0.90		135.00			
	West Side	1	197.00	0.90		177.30			
	North Side	1	105.00	0.90		94.50			
	South Side	1	96.00	0.90		86.40			
						493.20	**Sqm**	**1957.00**	**965192.40**
	Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge(Data Rate)								
	Culvert West Side	1	10.00	1.20		**12.00**	**Sqm**	**4931.00**	**59,172.00**
	Providing and fixing **pre cast solid cement concrete kerb** stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete(P.No. 25, I.No. 5.30)								
	For Footpath								
	South Side	1	96.00			96.00			
	North Side	1	105.00			105.00			
	East Side	1	160.00			160.00			
	West Side	1	197.00			197.00			
						558.00			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Length/0.45=Nos of Kerb					1240.00			
						1240.00	No	331.78	411407.20
9	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8(P.No. 182, I.No. 24.1)								
	For Footpath								
	South Side	1	96.00		0.35	33.60			
	North Side	1	105.00		0.35	36.75			
	East Side	1	160.00		0.35	56.00			
	West Side	1	197.00		0.35	68.95			
						195.30	Sqm	63.60	12,421.08
.0	**Earth work for lowering and levelling the ground** other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification.								
	Total Field Area					18770.99			
	Deduct Building Area					1210.75			
						17560.24			
	Plyground Area	1	17560.24		0.35	6146.08	Cum	72.08	443009.73
	KSRRB 300-**Compaction KSRRB 300-58. Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 149, I.No. 19.64)								
	Plyground Area					17560.24	Sqm	5.30	93,069.27
	KSRRB M300- **Construction of Embankment** with Material **Gravel/ Murrum.** KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Plyground Area	1	17560.24		0.33	5794.88	Cum	464.12	2689519.33
	Fabricating, providing and **erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of** 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip **Galvanised grill work** as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	For Grill								
	West Side	1	43.00		1.50	64.50			
						64.50	Sqm	9144.14	589797.03

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
oviding and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working essure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, iling and floor, including cost of all materials,with 280mm outer dia(P.No. 75, I.No. 11.56.8)								
uth Side	1	96.00						
rth Side	1	105.00						
st Side	1	160.00						
est Side	1	197.00						
		558.00						
r Every 10.0m	56.00	0.50			28.00	m	4549.52	127386.56
							Total Construction Cost	8358968.72
							Add KRIDL Charges 11%	919486.56
							Towards PMC Cost	208974.22
							Sub Total	9487429.50
							Utility Shifting,Miscellaneous and Rounding off	12,570.50
							GRAND TOTAL	9500000.00

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he workspot was inspected and works is found to be necessary.
he area comes within the Bruhat Bangalore Mahanagara Palike limits.
he rates adopted based on the PWD SR,Bangalore circle for year 2016-2017.and Data Rates

Assistant Engineer
roject Division,Dasarahaali
BBMP Bangalore

Asst. Executive Engineer,
Project Division,Dasarahaali
BBMP Bangalore

Executive Engineer,
Project Division,Dasarahaali
BBMP Bangalore

ನಂ: 19/17-18 ದಿನಾಂಕ: 18/11/2017
ರೂ: 9500000/- Nity five
Lakh only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ

ನಂ. CE/TS/204/17-18 ದಿನಾಂಕ: 20/11/2017
Rs 95.00 lakhs only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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